



SON XUAN HOANG Ph.D.
Department of Justice
Drug Enforcement Administration
Office of Forensic Sciences

Forensic Chemist
Western Laboratory
Pleasanton, California

AREA OF EXPERTISE

Forensic Discipline

Drug Chemistry, Controlled Substance Analysis

PROFESSIONAL EXPERIENCE

DRUG ENFORCEMENT ADMINISTRATION

Forensic Chemist, DEA Western Laboratory (Pleasanton, CA) 2016 - Present

- Analyze exhibits for the presence of control substances.
- Issue reports on analytical results and testify to finding in court.
- To perform routine maintenance and perform checks on laboratory equipment.

Training

- Basic Forensic Chemist Class 9, Drug Enforcement Administration Training Academy (Quantico, VA), 2016
- Basic Clandestine Laboratory class 68, Drug Enforcement Administration Training Academy (Quantico, VA), 2018
- Ultra-High Performance Liquid Chromatography, Performance and Maintenance, Waters Corp. (Pleasanton, CA), 2017

US DEPARTMENT OF AGRICULTURE

Senior Chemist, USDA (Alameda CA) 2011-2016

- Responsible for testing meats, poultries, fish, and eggs for pesticides and small molecules contamination.
- Performed routine maintenance and performed checks on laboratory equipment.
- Trained Senior Chemists onsite on method development and maintenance of analytical instruments.
- Performed and Validated analytical methods.

UNIVERSITY OF THE PACIFIC - AMERICAN CHEMICAL SOCIETY

Teaching Assistant (Stockton, CA) 2004-2011

- Guided and trained scientists in method development, instrumental analysis, data collection and interpretation, and lab safety.
- Trained graduate and undergraduate students in analytical methods development and instruments maintenance.
- Teaching, Experimentation, And Mentoring in Science - Coordinated, planned, and taught sciences to 6-12 grades.

Training

- Mass Spectrometry: Principal and Practice.

HILMAR CHEESE AND INGREDIENTS

R&D Chemist (Hilmar, CA) 2009

- Trained and provided technical supports for the purification and analysis of oligosaccharides and proteins.
- Set up analytical instruments and trained Senior Chemists on application and maintenance.
- Analyzed and mapped protein hydrolysis.

Training

EDUCATION AND CERTIFICATIONS

San Francisco State University, San Francisco CA

- Master of Business Administration, 2017

University of the Pacific, Stockton CA

- Ph.D., Pharmaceutical and Chemical Sciences 2011
Emphasis in Bioanalytical/Physical Chemistry.

University of California, Davis

- Bachelors of Science, Biochemistry 2003
- Minor - Statistics 2003

Certification(s)

PROFESSIONAL AFFILIATIONS

- Alpha Chi Sigma - Professional Chemistry Fraternity
- American Chemical Society

PRESENTATIONS AND LECTURES

- Oral Presenter - Analysis of Pesticide in Meats and Poultry at USDA Western Laboratory
 - Agriculture Research Service (Washington, DC), 2012
- Poster Presenter - Analysis of Pesticide in Meats and Poultry at USDA Western Laboratory
 - Pesticide Conference (St. Pete, FL) 2013

PUBLICATIONS

- Macrocyclic Chemistry: Part I - Characterization of a mixed-valence di-iron complex and synthesis of a new poly-iron complex. Part II - Synthesis, characterization of new diphosphoester macrocyclic polyethers. University of the Pacific 2011. Dissertation.